

Date: Friday, 23/01/2009 8:43:27 AM
 User: Julie Dawson

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services Drawing Name : OH-58 SKIDTUBE
 Job Number : 45123
 Estimate Number : 10465
 P.O. Number :
 This Issue : 23/01/2009 S.O. No. :
 Prsht Rev. : NC
 First Issue : / / Type : SKIDTUBES
 Previous Run : 37706
 Part Number : D058672011
 Drawing Number : N/A
 Project Number : N/A
 Drawing Revision : N/A
 Material :
 Due Date : 10/02/2009 Qty: 1 Um: Each
 Written By :
 Checked & Approved By : JLD 09.01.23
 Comment : Est Rev:F 02.06.24 Re-format; CHG002 (MPP2251); ECN 258 K
 J
 Est Rev:G 07-03-08 As per IIN D058-672 Rev C JLM

Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 DC DOCUMENT CONTROL



Handwritten: JLD 09/02/13



Comment: DOCUMENT CONTROL

Photo Copy Blue files and Type Labels as per PPP D058-672-011 CHG003 *Handwritten: per ECN 09.527*

2.0 45123A OH-58 SKIDTUBE ASSEMBLY



Comment: Sub-Component OH-58 SKIDTUBE ASSEMBLY

1 x D058-672-041 Batch: *Handwritten: 45123*

Handwritten: SS 09/02/12

3.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Pick Packing Kit

4.0 D058672043 Ground Handling, OH-58



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

GROUND HANDLING KIT

Batch: *Handwritten: 38529*

Handwritten: SS 09/02/12

5.0 D29321 Saddle LH Out, 206



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

Pick: Packing Kit

Qty Part Number Description Batch
 2 D2932-1 Saddle *Handwritten: 43 42317*

Handwritten: SS 09/02/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Friday, 23/01/2009 8:43:27 AM
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Drawing Name: OH-58 SKIDTUBE

Job Number: 45123

Part Number: D058672011

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

D29331

Saddle LH In, 206



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description

Batch

2 D2933-1

Saddle

40281

SS 09/02/12 (X)

7.0

D2934

Saddle Spacer



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description

Batch

2 D2934

Saddle Spacer

44296

SS 09/02/12 (X)

8.0

D2935

Saddle Spacer



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description

Batch

2 D2935

Saddle Spacer

~~43404~~ B44553

SS 09/02/12 (X)

9.0

AN341A

Bolt



Comment: Qty.: 8.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description

Batch

8 AN3-41A

Bolt

110467

SS 09/02/12 (X)

10.0

D2652

Bushing



Comment: Qty.: 16.0000 Each(s)/Unit Total : 16.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description

Batch =

16 D2652

Bushing

44278

SS 09/02/12 (X)

11.0

AN960JD10

Washer



Comment: Qty.: 8.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description

Batch

8 AN960JD10

Washer

M16134

SS 09/02/12 (X)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Drawing Name: OH-58 SKIDTUBE

Job Number: 45123

Part Number: D058672011

Job Number:



Seq. #: Machine Or Operation: Description :

12.0

MS21042L3

Nut



Comment: Qty.: 8.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick: Packing Kit

Qty Part Number Description Batch
8 MS21042L3 Nut (or -3)

M109798

SS 09/02/12 (X)

13.0

AN510A

Bolt



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick: Packing Kit

Qty Part Number Description Batch
4 AN5-10A Bolt

M109452

SS 09/02/12 (X)

14.0

AN512A

Bolt



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick: Packing Kit

Qty Part Number Description Batch
4 AN5-12A Bolt

M104936

SS 09/02/12 (X)

15.0

AN960JD516

Washer



Comment: Qty.: 8.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick: Packing Kit

Qty Part Number Description Batch
8 AN960JD516 Washer

M110363

SS 09/02/12 (X)

16.0

AN46A

Bolt



Comment: Qty.: 12.0000 Each(s)/Unit Total : 12.0000 Each(s)

Pick: Packing Kit

Qty Part Number Description Batch
12 AN4-6A Bolt

M109545

SS 09/02/12 (X)

17.0

AN960JD416

Washer



Comment: Qty.: 24.0000 Each(s)/Unit Total : 24.0000 Each(s)

Pick: Packing Kit

Qty Part Number Description Batch
24 AN960JD416 Washer

M110523

SS 09/02/12 (X)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Part Number: D058672011

Job Number:



Seq. #:

Machine Or Operation:

Description :

18.0

MS21042L4

Nut



Comment: Qty.: 12.0000 Each(s)/Unit Total: 12.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description

Batch

12 MS21042L4

Nut (or -4)

69282

SS 09/02/12 (X)

19.0

D2712

Set Screw



Comment: Qty.: 10.0000 Each(s)/Unit Total: 10.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description

Batch

10 D2712

Set Screw

45247

SS 09/02/12 (X)

20.0

D2968043

Tow Ring



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description

Batch

1 D2968-043

Tow Ring

per EN09.527
D559422

21.0

AN960JD1016

Washer



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

Washer

Batch:

5519

N/A per EN09.527

SS 09/02/12 (X)

22.0

AN9704

Washer



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description

Batch

1 AN970-4

Washer

M16704

N/A per EN09.527

SS 09/02/12 (X)

23.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

per EN09.527

per EN09.527

u

20a 1 x D3456-1 B 43002

20b 2 x D3459-1 B 44603

20c 1 x MS21043-4 B M16023

SS 09/02/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Job Number: 45123

Part Number: D058672011

Job Number:



Seq. #:

Machine Or Operation:

Description :

24.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D058-672-011

Location: 83

Rev C

9/2/23

(K)

SL

25.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

09/02/23

Job Completion



09.02.23

DART		TEL.: 1-613-632-3336 FAX: 1-613-632-4443	
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D058-672-011	CHG	CHG003
DESC	Skidtube	STC	.
LOT	B45123	STC	SR00912SE
MODEL	OH-58A/A+/C	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

45123A

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

**TO AMEND INSTALLATION INSTRUCTIONS IIN-D058-672 REV. C AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D058-672 REV. 1
REF. FAA STC: SR00912SE**

FOR D058-672-011/-012/-013/-014 SKID TUBES @ CHANGE 004 AND SUBSEQUENT, THE D2707-043 OR D2968-043 TOW RING HAS BEEN REPLACED WITH D3407-043 TOW RING ASSEMBLY.

AMEND THE PARTS LIST IN SECTION 5.0 OF INSTALLATION INSTRUCTIONS IIN-D058-672 REV. C AND SECTION 32.9 OF THE INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D058-672 REV. 1 AS FOLLOWS:

**5.0 PARTS LIST (IIN-D058-672)
32.9 PARTS LIST (ICA-D058-672)**

ITEM	672 -011	672 -012	672 -013	672 -014	672 -041	672 -043	PART NUMBER	DESCRIPTION
	X						D058-672-011	SKIDTUBE INSTALLATION, LH
		X					D058-672-012	SKIDTUBE INSTALLATION, RH
			X				D058-672-013	SKIDTUBE INSTALLATION, LH
				X			D058-672-014	SKIDTUBE INSTALLATION, RH
	1	1	1	1	X		D058-672-041	REPLACEMENT SKIDTUBE
	1	1	1	1		X	D058-672-043	GROUND HANDLING KIT

IS:

40	1	1	1	1			D3407-043	TOW RING ASSEMBLY
41	1	1	1	1			D3456-1	WASHER
42	2	2	2	2			D3457-1	WASHER
43	1	1	1	1			MS21043-4	NUT

WAS:

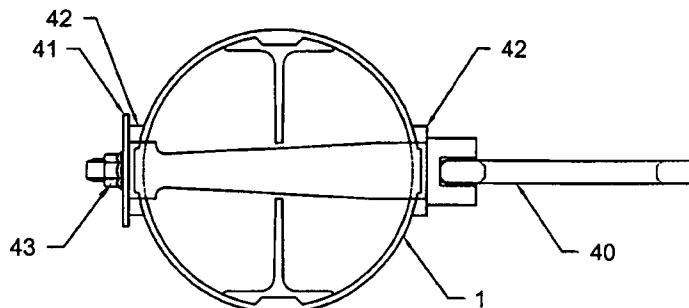
40	1	1	1	1			D2707-043 (OR D2968-043)	TOW RING
41	1	1	1	1			AN960JD1016	WASHER
42	1	1	1	1			AN970-4	WASHER
43	1	1	1	1			MS21042-4	NUT (OR MS21042L4)

45123

A	NEW ISSUE	AJS	08.09.11
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	AJS		
CHECKED	RY	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9422	SHEET 1 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	TOW RING CHANGE	UNTS
DATE	08.09.11	<small>COPYRIGHT © 2008 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

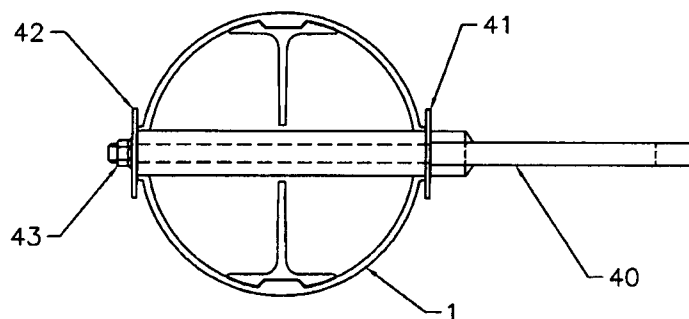
INSTALL TOW RING ASSEMBLY AS SHOWN BELOW (REFER TO DETAIL C OF IIN-D058-672 REV. C AND DETAIL C OF ICA-D058-672 REV. 1). AMEND SECTION 3.5 OF IIN-D058-672 REV. C AND SECTION 32.5 OF ICA-D058-672 REV. 1 ACCORDINGLY.

IS:

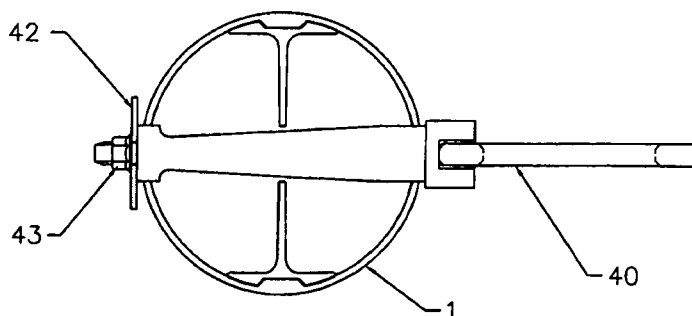


DETAIL C

WAS:



DETAIL C
(D2707-043 Tow Ring)



DETAIL C
(D2968-043 Tow Ring)

45723

DESIGN	AJS	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	AJS		
CHECKED	Pat	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9422	SHEET 2 OF 2
APPROVED	JMD	TITLE	SCALE
DE APPR.	[Signature]	TOW RING CHANGE	NTS
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